

NORTHROP GRUMMAN

Ship Systems

SOFTWARE CONFIGURATION MANAGEMENT

- **By direction of COMNAVSEASYSCOM Message 150405Z JUN 01, NAVSEA is preparing to include software configuration data in a single shared data environment in CDMD-OA.**
- **In response to COMNAVSEASYSCOM Message 150405Z JUN01, NAVSEA issued letter 4130 Ser 04L/538 23 JUL 2001 describing the plan for a prototype effort. Enclosure (1) of that letter provides the initial guidance for reporting and tracking software and assigns responsibilities to the CDMs, ISEAs and SSAs .**

- **Enclosure (1), Section 2, Paragraph 2.1, Sub-Paragraph a, assigns responsibility to the CDM as follows:**
 1. **Review all information received to ensure it is correct and matches other available information.**
 2. **Ensure each software Record Type2 (RT2) Equipment Discipline Code has a “V” entry assigned to ensure all software records are included or exempted from SCLSiS validations as appropriate.**

4. Advise NAVSEA 04L of critical or recurring problems with regard to software CSA procedures or interfaces.

5. Use the assigned X-Repairable Identification Code (XRIC) for software during this prototype.

6. Assign Generic XRICS if software is found resident on the ship and was not previously loaded into CDMD-OA.

- **Enclosure (1), Section 2, Paragraph 2.1, Sub-Paragraph b, assigns responsibility to Software Configuration Managers (SCM) (e.g. ISEAs, TSAs, SSAs, etc.) as follows:**

1. **Accept responsibility for the accuracy of the software data and transmission of data to the CDM. Ensure it reflects the current baseline as well as modifications to that baseline.**
2. **Identify inaccurate or incomplete software data in CDMD-OA and provide corrective**

- 3. Resolve data discrepancies as requested by the CDM.**
- 4. Until the XRIC Module is modified, e-mail John Curry at john.curry@isa.com for assignment of specific XRICS.**
- 5. Interface with the hardware ISEA to determine if any hardware/software discrepancies are identified and make corrections as necessary.**
- 6. Create CDMD-OA workfiles as is normal**

7. Perform research of XRICS to ensure one does not already exist before requesting creation of another.

8. Inform the CDM if there is a change to an XRIC previously transmitted.

CDM ADD PROCESS

- The CDM receives a workfile from the appropriate Software Configuration Manager (i.e. ISEA, TSA, SSA).
The workfile is dispatched to the proper CDM Analyst who processes the workfile records as follows:
 - If Action Code is “A”, check Class Functional File to ensure a correct HSC has been assigned. If none is assigned then one must be created.
 - Ensure that Equipment Discipline Code is “V”

CDM ADD PROCESS

- **Check EIN Field to ensure that correct Software version is entered.**
- **Ensure that SN is populated with Software Serial Number.**
- **Parent RIC Field must be populated with the Hardware RIC that requires the Software.**
- **The PRID Field will be utilized to record the media (disk, tape, etc.) on which the Software resides.**

CDM ADD PROCESS

- Assign SAC Code of SFTWR.**

CDM CHANGE AND DELETE PROCESS

- **If Action Code is “C”, check for Mandatory Edits and make proper corrections to the records using same edit parameters 1-7 mentioned for add.**
- **If Action Code is “D”, ensure that it is a proper Delete. Delete Record Type 2s and 3s as required.**